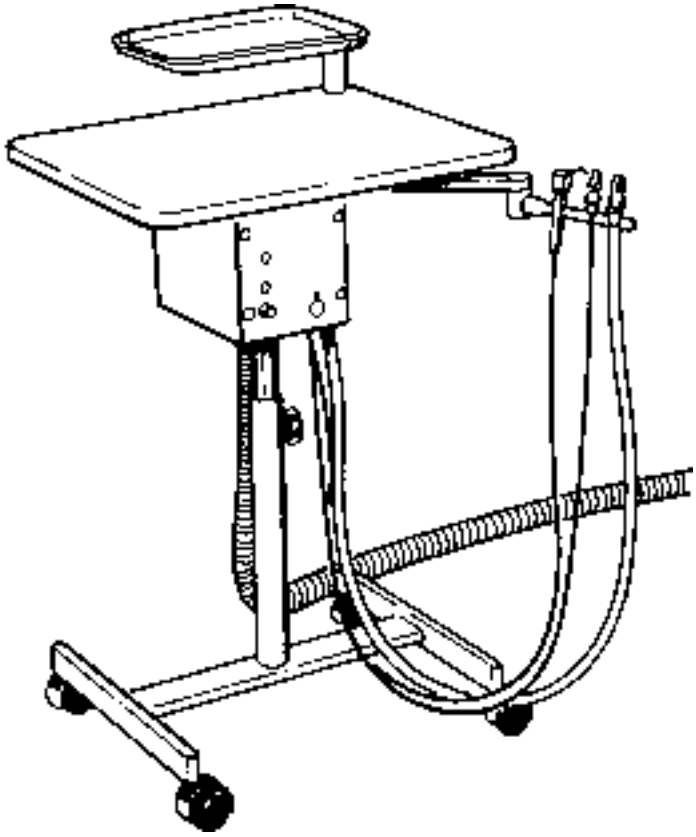
Operation and Care Manual



Assistant's Cart

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Label Definitions

Hazards which result in severe personal injury or death.

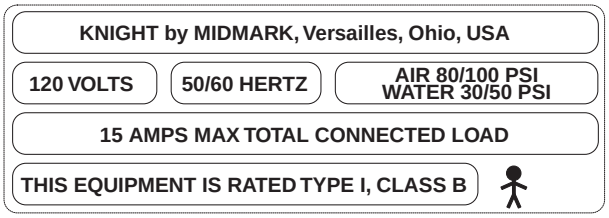
Hazards which could result in personal injury.

Hazards which could result in equipment or property damage.

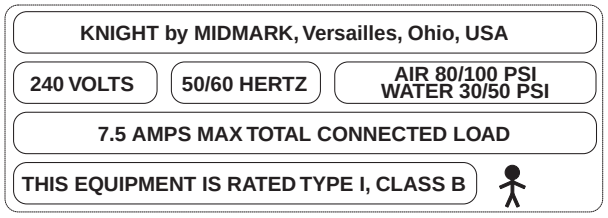
Alert user to pertinent facts and conditions.

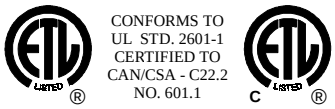
"DANGER
- EXPLOSION HAZARD -
DO NOT USE THIS EQUIPMENT
IN THE PRESENCE OF
FLAMMABLE ANESTHETICS"

RATING FOR 120 VOLT UNIT


KNIGHT by MIDMARK, Versailles, Ohio, USA
120 VOLTS
50/60 HERTZ
AIR 80/100 PSI
WATER 30/50 PSI
15 AMPS MAX TOTAL CONNECTED LOAD
THIS EQUIPMENT IS RATED TYPE I, CLASS B

RATING FOR 240 VOLT UNIT


KNIGHT by MIDMARK, Versailles, Ohio, USA
240 VOLTS
50/60 HERTZ
AIR 80/100 PSI
WATER 30/50 PSI
7.5 AMPS MAX TOTAL CONNECTED LOAD
THIS EQUIPMENT IS RATED TYPE I, CLASS B



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Controls

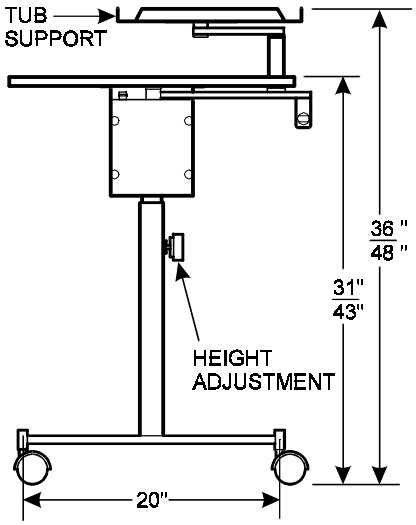
EXTERNAL CONTROLS AND FUNCTIONS

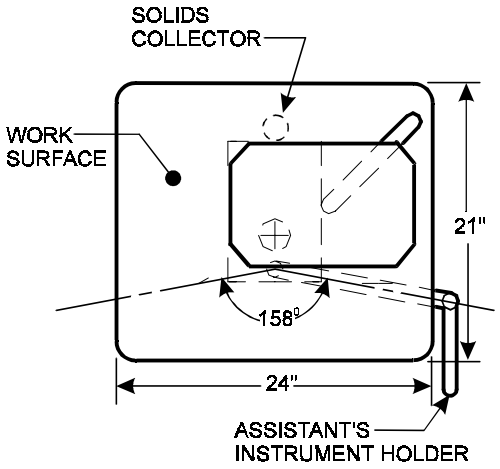
WATER OUTLET AND FLOW CONTROL

Located on the front panel of the cart, the water outlet provides water for hydrocolloid tubing or other accessories. The water is controlled by a flow control knob located next to the water outlet. Turning the knob clockwise will decreases water flow and counter clockwise increases the flow.

ASSISTANT'S INSTRUMENTATION

A saliva ejector, HVE and syringe are standard instrumentation on the duo cart. They are positioned on a swing arm holder located under the worksurface.





Cleaning and Maintenance

Knight Mfg. strongly recommends barrier protection as the most effective and safest way to control cross contamination. Some disinfections may cause costly damage to the equipment. If disinfectants are to be used, we recommend the products listed below. Follow manufacturers directions carefully.

CLEANING THE UNIT SURFACES

Surfaces should be wiped regularly with a soft cloth. The equipment should be washed occasionally with soap and water.

CAUTION: Avoid using agents containing Phenol water and/or phenol alcohol. These may cause damage to plastic surfaces.

The following disinfectant/ cleaner products have been tested and are recommended for us on plastic and painted surfaces.

Cavicide
distributed by E&D Dental Products Inc., Westfield, NJ

Precise - Hospital Foam Cleaner Disinfectant
manufactured by Caltech Industries, Inc., Midland, MI

CAUTION: Failure to follow manufacturer directions may damage surfaces.

CLEANING HANDPIECE, SYRINGE AND VACUUM HOSES

The hoses can be washed with soap and water.

MAINTAINING THE VACUUM SYSTEM

Use only a cleanser specifically formulated for dental vacuum systems and follow manufacturer directions carefully.

CAUTION: Failure to follow manufacturer directions may damage your vacuum system.

CLEANING THE SOLIDS COLLECTOR

Turn off the vacuum supply. Lift up the cap on top of the solids collector to expose the basket strainer. Empty the basket strainer and scrub it with a brush. To help simplify the basket removal, wet the inside of the solids collector with the syringe after removing the cover. The water will soften the amalgam for easier removal of the basket. When clean, return the basket to the collector and replace the cap. The solids collector should be cleaned daily to avoid loss of suction. Replacement basket strainer can be ordered under Knight Part Number 151894.

SERVICING THE AIR AND WATER FILTERS

To insure proper air and water flow, the internal air and water filters should be serviced every three months (More or less frequently depending on water quality). This work should be performed by a qualified service technician. Please contact your authorized Knight dealer for more information.

CLEANING AND MAINTENANCE SCHEDULE

	as necessary	daily	other
Unit surfaces	√		
Hoses	√		
Vacuum system	√		
Solids collector		√	
Air & water filters			3 month service

Warranty

WARRANTY

Knight by Midmark products are warranted against defect in material and workmanship for a period of 2 years, unless otherwise indicated in writing, from the time of delivery.

Exceptions:

1) "KINK-VALVE" module carries a 10 year warranty.
2) The original light bulb on a new light carries a 1 year warranty.
3) Accessories not manufactured by Knight are excluded (i.e. Fiber optic systems, Scalers, Electric micromotor systems, Curing light systems, X-ray viewers, etc.)
4) Replacement parts and accessories carry a 90 day warranty.

Knight's sole obligation under the warranty is either to provide parts for the repair or to provide the replacement product (excluding labor and shipping). The buyer shall have no other remedy. All special, incidental and coincidental damage is excluded. Written notice of breach of warranty must be given to Knight within the warranty period.

The warranty does not cover damage resulting from improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilization chemicals and processes.

No other warranties as to merchantability, fitness for use or otherwise are made.

Technical Information

Circuit diagrams, parts lists, technical descriptions, etc. will be provided upon request.

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DECLARATION OF CONFORMITY

MIDMARK CORPORATION

Midmark Corporation declares that SW and S-21 Dental Units conforms to the applicable requirements of the Medical Device Directive 93/42/EEC, Annex V and VII.

Serial Numbers: UA1278, UW01032, UC0971, and UK0148 to present.

Authorized Representative
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LRQA Limited
Hiramford
Middlemarch Office Village
Siskin Drive
Coventry CV3 4FJ
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Certificate #: 961351/B

Quality Assurance Manager

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Versailles, OH 45380 U.S.A.
October 18, 1999

TPW1768 Rev. C (12/00)

KA940600

Knight®
by Midmark

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